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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/647,134	08/25/2003	Young-min Cheong	1293.1825CIP	1038
49455	7590	05/15/2006	EXAMINER	
STEIN, MCEWEN & BUI, LLP 1400 EYE STREET, NW SUITE 300 WASHINGTON, DC 20005			KLIMOWICZ, WILLIAM JOSEPH	
			ART UNIT	PAPER NUMBER
			2627	

DATE MAILED: 05/15/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/647,134

Applicant(s)

CHEONG ET AL.

Examiner

William J. Klimowicz

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1, 6-10, 14, 15, 17, 19 and 20 is/are rejected.
- 7) ☒ Claim(s) 2-5, 11-13, 16 and 18 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 25 August 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☒ Certified copies of the priority documents have been received in Application No. 10/622,785.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION

Continuation

U.S. Patent Application Serial Number 10/647,134, filed on August 25, 2003, is a Continuation-In-Part of U.S. Patent Application Serial Number 10/622,785, filed on July 21, 2003, now abandoned.

Claims 1-20 are currently pending.

Priority

Acknowledgment is made of applicant's claim for foreign priority under 35 U.S.C. 119(a)-(d). The certified copy has been filed in parent Application No. 10/622,785, filed on July 21, 2003.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 17 and 19 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The following phrase(s) lack clear antecedent basis within the claim(s), i.e., either the particularly recited passage fails to be properly introduced prior to its appearance at that point in the claim or the structure recited in the passage is not an inherent part of or component of the previously recited structure:

As per claim 17, the phrase “wherein the at least one focus coil further comprises third and fourth focus coils disposed on a second side of the tilt coil ...” is vague and ambiguous. More concretely, the terminology third and fourth focus coils implies that a first and second focus coil (or pairs thereof) have been positively set forth in the preceding claim language, which is not the case. Thus, the phrase “third and fourth focus coils” lacks proper antecedent basis.

Additionally, since claim 19 depends directly from claim 17, it too is thus rejected under the second paragraph of 35 U.S.C. § 112.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1 and 6-8 are rejected under 35 U.S.C. 102(e) as being anticipated by Kim et al. (US 6,466,529 B1).

As per claim 1, Kim et al. (US 6,466,529 B1) discloses an objective lens driving apparatus (FIG. 2) used with an optical pickup, comprising: a base (100); a holder (120) provided on the base (100); a blade (110) on which an objective lens (111) is mounted; an elastic support body (121) elastically supporting the blade (110) so as to be moveable with

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respect to the holder (120); a pair of magnetic members ((130, 130) and/or (140, 140)) installed on the base to face each other; and a coil assembly (112, 113, 114) including at least one focus coil (112), at least one tracking coil (113), and a tilt coil (114) and installed at the blade (110) so as to be disposed between the magnetic members ((130, 130) and/or (140, 140)).

As per claim 6, wherein the coil assembly (112, 113, 114) is installed at the center of gravity of the blade (since it is balanced by plate (300)).

As per claim 7, wherein the base (100) comprises a pair of outer yokes (131) which extend from the base (100) and fixedly support the pair of magnetic members (130), a pair of inner yokes (i.e., the inner yokes that extend from base (100) and extend through both plate (300) and blade (110) as seen in FIG. 2)) which extend from the base (100) and penetrate a center of the coil assembly (112, 113, 114), and a connection yoke (portion of base (100) that extends between the respective outer and inner yokes under magnetic members (130)) which connects the outer yokes (131) to lower portions of the inner yokes.

As per claim 8, wherein the outer yokes (131), the inner yokes (i.e., the inner yokes that extend from base (100) and extend through both plate (300) and blade (110) as seen in FIG. 2)), the connection yoke, and the base (100) are formed into a single body - see FIG. 2.

Claims 9, 10, 14, 15 and 20 are rejected under 35 U.S.C. 102(e) as being anticipated by Kawano (US 2003/0012090 A1).

As per claim 9, Kawano (US 2003/0012090 A1) discloses an objective lens driving apparatus (e.g., FIG. 1) used with an optical pickup, comprising: a holder (8, 9); a blade (1) on which an objective lens (2) is mounted and which is supported to elastically move with respect

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to the holder (8, 9); a pair of magnetic members (5, 5) positioned through a center of the blade (1) to face each other; and a coil assembly including at least one focus coil (3f), at least one tracking coil (3tr), and a tilt coil (3ti) being entirely disposed between the magnetic members (see FIG. 1), wherein laminated coil unit (3) mounted in notch (1a) is disposed in magnetic gap (5g).

As per claim 10, wherein each of the pair of magnetic members (5) is polarized into two poles (see FIG. 2).

As per claim 14, wherein the at least one focus coil (3f) is disposed on one of an upper or a lower side of the tilt coil (3ti) (i.e., board (31) being over board (32)), and the at least one tracking coil (3tr) comprises first and second tracking coils respectively attached on both sides thereof (i.e., on board (31)).

As per claim 15, wherein the same poles of the magnets (5) face each other (albeit, not in the same plane) - see FIG. 2.

As per claim 20, Kawano (US 2003/0012090 A1) discloses an objective lens driving apparatus (FIG. 1) used with a pickup assembly, comprising: a holder (8, 9); a movable blade (1); a pair of magnets (5, 5) positioned through a center of the blade (1); and a coil assembly (3) including at least one focus coil (3f), at least one tracking coil (3tr) and a tilt coil (3ti) positioned entirely between the pair of magnets (5, 5).

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Allowable Subject Matter

Claims 2-5, 11-13, 16 and 18 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

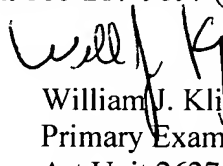
Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to William J. Klimowicz whose telephone number is (571) 272-7577. The examiner can normally be reached on Monday-Thursday (6:30AM-5:00PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hoa Thi Nguyen can be reached on (571) 272-7579. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


William J. Klimowicz
Primary Examiner
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